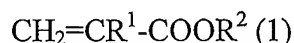


AMENDED CLAIM SET:

1. (currently amended) A binder for an electric double layer capacitor electrode, comprising a polymer; ~~which~~

wherein the polymer comprises a monomeric unit obtained by polymerizing a compound represented by the following formula (1) in a total amount of 60% or more by weight:



in which R¹ represents a hydrogen atom or a methyl group and R² represents an alkyl group or a cycloalkyl group;

wherein the polymer has a crosslinkable functional group which is a combination of an epoxy group and a sulfonic acid group or a salt thereof; and

wherein the total amount of the monomer having the crosslinkable functional group is from 0.1 to 10% by weight in the whole of the monomers.

whereby said polymer can give a polymer film having a tensile stress of 2 MPa or less when the film is elongated at the ratio of 100% and having the elongation at break of 450% or more.

2. – 5. (cancelled).

6. (original) A binder composition for an electric double layer capacitor electrode, wherein the binder as claimed in claim 1 is dispersed in water.

7. (withdrawn). A slurry composition for an electric double layer capacitor electrode, comprising the binder composition as claimed in claim 6 and an active material for an electrode.

8. (withdrawn). An electrode for an electric double layer capacitor, wherein an electrode layer comprising the binder as claimed in claim 1 and an active material for an electrode are bound to a current collector.

9. (withdrawn). A method for producing an electrode for an electric double layer capacitor, comprising the steps of:
applying the electrode slurry composition as claimed in claim 7 to a current collector, and then drying the composition.

10. (withdrawn). The method for producing an electrode for an electric double layer capacitor according to claim 9, further comprising the step of pressing the composition after drying thereof.

11. (withdrawn). The method for producing an electrode for an electric double layer capacitor according to claim 10, further comprising the step of heating the composition at 150 to 250°C.

12. (withdrawn). An electric double layer capacitor, comprising the electrode as claimed in claim 8.